

Product datasheet for MR201987

Tmem17 (NM_153596) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem17 (NM_153596) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem17
Synonyms: A1503894; AW049890
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201987 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGCCGGACCCTGTTCCGCCAGCGCCTGAGCAACCTCAGCCTCACCGTGTTCGGCGACTCCAGCC
GCACCGGGCCAGAGTCCAGTGATGCGGCCGATAATGAAATGGTCTCCAGCCTGGCCTTGCAGATGTCCTT
TTATTTAACTCTACTTTTTCCACTGTGGTGGGTGAGCTGCATTGTGATGCTGCACCTGAAGTATTCC
ATCTTGCCTGACTACTACAAATTCATTGTGGTACTGTCGTCATCCTCATAACCTTGATTGAAGCGATCC
GGTTATACCTGGGCTGCATGGGTAACCTTCAGGAGAAGGTTCTGAGCTAGCTGGCTTTTGCTTCTGAG
CCTTCTACTGCAGTTGCCTTAATCCTTTTCTTGCTCCTAATGATGGCCTAAGGAATCTGCCCTGGAG
AAAGCAATACATATCATCTTCACCATCTTTCTTACTTTCCAAGTCATCTCAGCATTCTGACCCTAAAGA
AAATGGTCAACCAGCTGGCAGCCGTTTCCACCTCCAGGACTTTGATCAGCTGTCTTCAAGCAGTGCAGC
TGTAAGGAGGGTAAGACAATGCACGGAAGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201987 protein sequence
 Red=Cloning site Green=Tags(s)

MELPDPVRQRLSNLSLTVFGDSSRTGPESDDAADNEMVSSLALQMSLYFNYSYFFPLWWVSCIVMLHLKYS
ILPDYYKFIVVTVVILITLIEAIRLYLGCMTNLQEKVPELAGFWLLSLLQLPLILFLLNDGLRNLPLE
KAIHIIFTIFLTFQVISAFLLTKKMNQLAARFHLQDFDQLSSSSAAVRRVRQCTEEL

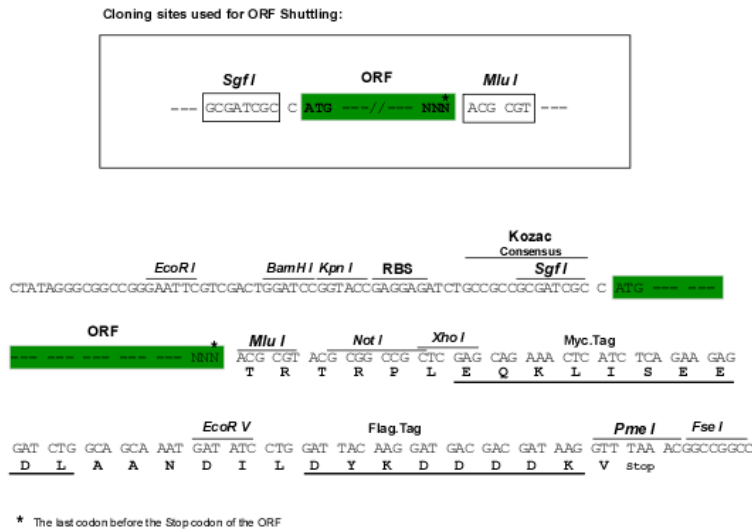
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153596

ORF Size: 597 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_153596.3](#)

RefSeq Size: 1370 bp

RefSeq ORF: 597 bp

Locus ID: 103765

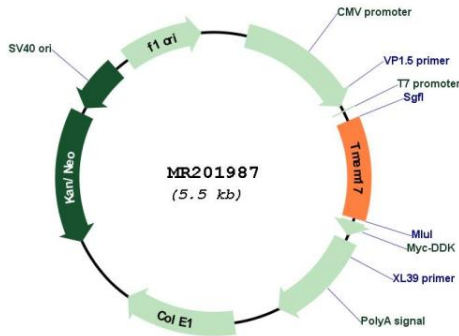
UniProt ID: [Q8K0U3](#)

Cytogenetics: 11 A3.2

MW: 22.6 kDa

Gene Summary: Transmembrane component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201987